## JAP7 Rec'd PCTIPTO 28 MAR 2006

FORM PTO-1390 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 12-2004)

|      |                     |   | O THE UNITED STATES   | ATTORNEY'S DOCKET NUMBER                         |  |  |  |  |  |  |  |  |  |
|------|---------------------|---|---|--|--|--|--|--|--|--|--|--|--|
|      |                     |   | D OFFICE (DO/EO/US)<br>S UNDER 35 U.S.C. 371                        | 023174-0157                                      |  |  |  |  |  |  |  |  |  |
|      |                     |   |   | U.S. APPLIATION NO. (Transm., set 32: 15)        |  |  |  |  |  |  |  |  |  |
|      | ERNATIC<br>JP2004/0 | NAL APPLICATION NO.<br>14466  | INTERNATIONAL FILING DATE<br>9/24/2004                              | PRIORITY DATE CLAIMED 9/30/2003                  |  |  |  |  |  |  |  |  |  |
| TITI | LE OF IN            | VENTION   |   |  |  |  |  |  |  |  |  |  |  |
|      |                     | OPOLYMERS AND USE THE S) FOR DO/EO/US   | REOF  |  |  |  |  |  |  |  |  |  |  |
|      | Toru ONO            | DERA et al  | otos Designated/Floeted Office (DO/FO/US                            | the following items and other information:       |  |  |  |  |  |  |  |  |  |
|      |                     | erewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  This is a FIRST submission of items concerning a filing under 35 U.S.C. 371 |   |  |  |  |  |  |  |  |  |  |  |
| 1.   |                     | This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.  |   |  |  |  |  |  |  |  |  |  |  |
| 2.   | _                   | This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.   |   |  |  |  |  |  |  |  |  |  |  |
| 3.   |                     | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.                                 |   |  |  |  |  |  |  |  |  |  |  |
| 4.   |                     | The US has been elected (Article 31).   |   |  |  |  |  |  |  |  |  |  |  |
| 5.   |                     | A copy of the International Ap  |   |  |  |  |  |  |  |  |  |  |  |
|      |                     | national Bureau).   |   |  |  |  |  |  |  |  |  |  |  |
|      |                     |   |   |  |  |  |  |  |  |  |  |  |  |
|      |                     | is not required, as the application was filed in the United States Receiving Office (RO/US)   |   |  |  |  |  |  |  |  |  |  |  |
| 6.   | $\boxtimes$         | _   | on of the International Application as filed (                      | 35 U.S.C. 371(c)(2)).                            |  |  |  |  |  |  |  |  |  |
|      |                     | is attached hereto.  has been previously su   | ubmitted under 35 U.S.C. 154(d)(4).                                 |  |  |  |  |  |  |  |  |  |  |
| 7.   | $\boxtimes$         | _ ,   | the International Application under PCT Ar                          | ticle 19 (35 U.S.C. 371(c)(3))                   |  |  |  |  |  |  |  |  |  |
|      | -                   | · ·   | equired only if not transmitted by the Interna                      |  |  |  |  |  |  |  |  |  |  |
|      |                     |   | ated by the International Bureau.                                   | andments has NOT expired                         |  |  |  |  |  |  |  |  |  |
|      |                     | <ul><li>☐ have not been made; h</li><li>☐ have not been made a</li></ul>  | nowever, the time limit for making such ame<br>nd will not be made. | enuments has NOT expired.                        |  |  |  |  |  |  |  |  |  |
| 8.   |                     | An English language translati   | on of the amendments to the claims under                            | PCT Article 19 (35 U.S.C. 371(c)(3)).            |  |  |  |  |  |  |  |  |  |
| 9.   | $\boxtimes$         | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).  |   |  |  |  |  |  |  |  |  |  |  |
| 10.  |                     | An English language translation of the annexes to the International Preliminary Examination Report under PCT Article  |   |  |  |  |  |  |  |  |  |  |  |
|      |                     | 36 (35 U.S.C. 371(c)(5)).   |   |  |  |  |  |  |  |  |  |  |  |
| lten | ns 11 to 2          | 20 below concern other docu   | ment(s) or information included:                                    |  |  |  |  |  |  |  |  |  |  |
|      |                     |   | atement under 37 CFR 1.97 and 1.98.                                 |  |  |  |  |  |  |  |  |  |  |
| 12.  | _                   |   |   | pliance with 37 CFR 3.28 and 3.31 is included.   |  |  |  |  |  |  |  |  |  |
| 13.  |                     | A preliminary amendment.  | -   |  |  |  |  |  |  |  |  |  |  |
|      | $\boxtimes$         | An Application Data Sheet un  | der 37 CFR 1.76.  |  |  |  |  |  |  |  |  |  |  |
| 15.  |                     | A substitute specification.   |   |  |  |  |  |  |  |  |  |  |  |
| 16.  |                     | A power of attorney and/or ch   | ange of address letter.   |  |  |  |  |  |  |  |  |  |  |
| 17.  |                     | A computer-readable form of   | the sequence listing in accordance with PC                          | T Rule 13 <i>ter</i> .2 and 37 CFR 1.821 – 1.825 |  |  |  |  |  |  |  |  |  |
| 18.  |                     | A second copy of the publishe   | ed international application under 35 U.S.C.                        | 154(d)(4).                                       |  |  |  |  |  |  |  |  |  |
| 19.  |                     | A second copy of the English  | language translation of the international app                       | olication under 35 U.S.C. 154(d)(4).             |  |  |  |  |  |  |  |  |  |
| 20.  | $\boxtimes$         | Other items or information: St  | atement designating Patent Practitioners (                          | 1 pg.).  |  |  |  |  |  |  |  |  |  |
| FOR  | ZM PTO-1            | 390 (Modified)  |   |  |  |  |  |  |  |  |  |  |  |

## IAP5 Rec'd PCT/PTO 28 MAR 2006

|  |   | 573                              |   | rs docket number<br>74-0157   |          |                |       |                    |         |  |  |  |
|--|---|----------------------------------|---|---|----------|----------------|-------|--------------------|---------|--|--|--|
| 1  |   | ng fees have                     | been su   | bmitted:  |          |                |       |                    |         |  |  |  |
| 21.  | Basic nat   |                                  |   |   | \$       | 300            | \$_   | 300.00             | -       |  |  |  |
|  | ns of PCT   | inary examin<br>Article 33(1)-   | \$  | 200.00  |          |                |       |                    |         |  |  |  |
| 23. Search fee   |   |                                  |   |   |          |                |       |                    |         |  |  |  |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the  USPTO as an International Searching Authority \$100   |   |                                  |   |   |          |                |       |                    |         |  |  |  |
|  |   |                                  |   |   |          |                |       |                    |         |  |  |  |
| •  |   | Report prepa                     |   |   |          |                |       |                    |         |  |  |  |
| All other s  |   |                                  | 01/5 04   | 00 1 00   | \$       | 500            | \$    | 500.00             |         |  |  |  |
|  |   | TAL OF AB                        | \$  | 1000.00   |          |                |       |                    |         |  |  |  |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof. |   |                                  |   |   |          |                |       |                    |         |  |  |  |
| Total Shee   | ets Extra   | sheets                           | heets Number of each additional 50 or fr<br>thereof (round up to a whole numl |   |          | RATE           |       |                    |         |  |  |  |
|  | 0 = 0   | /50 =                            |   | 0   |          | x \$250.00     | \$    | 0.00               |         |  |  |  |
|  |   | 0 for furnishi<br>ity date (37 C | \$  | 0.00  |          |                |       |                    |         |  |  |  |
| CLA  | IMS   | NUMBER                           |   | NUMBER EXTRA  | F        | RATE           | \$    | 121                | <b></b> |  |  |  |
| Total  | Claims  | 13                               | - 20 =  | 0   | x \$     | 50.00          | \$    | 0.00               |         |  |  |  |
| Independe  | ent Claims  | 1                                | 3 =   | 0   | x \$     | 200.00         | \$    | 0.00               |         |  |  |  |
| MULTIPLI   | DEPEND  | ENT CLAIM                        | (S) (if app   |   | +\$      | 360.00         | \$    |                    | ·       |  |  |  |
|  |   |                                  |   | TOTAL OF ABOV   |          |                | \$    | 1000.00            |         |  |  |  |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are + \$ 0.00 reduced by ½.  |   |                                  |   |   |          |                |       |                    |         |  |  |  |
|  |   |                                  | \$  | 1000.00   |          |                |       |                    |         |  |  |  |
|  |   |                                  |   | English translation later th  | an 30 mo | nths           | \$    |                    |         |  |  |  |
|  |   |                                  |   | TOT   | AL NATIO | NAL FEE =      | \$    | 1000.00            |         |  |  |  |
|  |   |                                  |   | (37 CFR 1.21(h)). The as<br>et (37 CFR 3.28, 3.31). 40              |          |                | \$    | 40.00              |         |  |  |  |
|  |   |                                  |   | TOTAL   | FEES E   | NCLOSED =      | \$    | 1040.00            |         |  |  |  |
|  |   |                                  |   |   |          |                | 4     | Amount to be       |         |  |  |  |
|  |   |                                  |   |   |          |                |       | refunded:          |         |  |  |  |
|  |   |                                  |   |   |          |                |       | charged:           |         |  |  |  |
| a. 🗆   |   |                                  |   | ,040.00 to cover the ab   |          |                |       | o cover the abo    | va faas |  |  |  |
| b. 🔲   | A duplica   | te copy of t                     | his shee  | account No. <u>19-0741</u> in the strict in the strict is enclosed. |          |                |       |                    |         |  |  |  |
| c. 🛚   | c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this sheet is enclosed. |                                  |   |   |          |                |       |                    |         |  |  |  |
| d. 🖾   | l <u> </u>  |                                  |   |   |          |                |       |                    |         |  |  |  |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.                                 |   |                                  |   |   |          |                |       |                    |         |  |  |  |
| SEND A   | L CORR  | ESPONDE                          | NCE TO  | Milere W. Konna.  |          |                |       |                    |         |  |  |  |
|  |   |                                  |   |   |          |                |       | ∪RE<br>D. Kaminski |         |  |  |  |
| 1  | •   | er Number                        |   | }   |          |                | ى. Na | J. Namiliski       |         |  |  |  |
|  | Juston  | J. Hallibel                      | (   |   |          | NAME<br>32 904 |       |                    |         |  |  |  |
| 32,904<br>PEGISTE  |   |                                  |   |   |          |                | DATIC | PATION NI IMPED    |         |  |  |  |
|  |   | _                                | KATIC   | RATION NUMBER   |          |                |       |                    |         |  |  |  |

03/28/2006